



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Han OH PARK et al.

Title: METHOD FOR OBTAINING DNA
FROM FISH SPERMATOGONIUM

Appl. No.: 10/029,281

Filing Date: 12/28/2001

Examiner: KATCHEVES, K T

Art Unit: 1636

AMENDMENT TRANSMITTAL

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MAY 21 2002

TECH CENTER 1600/2900

Commissioner for Patents
Box NON-FEE AMENDMENT
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small Entity status under 37 C.F.R. § 1.9 and § 1.27 has been established by a Small Entity statement previously submitted.
- ☐ Small Entity statement is enclosed.
- ☒ The fee required for additional claims is calculated below:

	Claims as Amended	Previously Paid For	Extra Claims Present	Rate	Additional Claims Fee
Total Claims:	15	15	0	x \$18.00	\$0.00
Independents:	3	3	0	x \$84.00	\$0.00
First presentation of any Multiple Dependent Claims:				+ \$280.00	\$0.00
CLAIMS FEE TOTAL:					\$0.00

- ☐ Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

<input type="checkbox"/>	Extension for response filed within the first month:	\$110.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the second month:	\$400.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the third month:	\$920.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fourth month:	\$1,440.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fifth month:	\$1,960.00	\$0.00
EXTENSION FEE TOTAL:			\$0.00
CLAIMS AND EXTENSION FEE TOTAL:			\$0.00
<input type="checkbox"/>	Small Entity Fees Apply (subtract ½ of above):		\$0.00
TOTAL FEE:			\$0.00

- ☐ Please charge Deposit Account No. 19-0741 in the amount of \$0.00. A duplicate copy of this transmittal is enclosed.
- ☐ A check in the amount of \$0.00 is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date 20 May 2002

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AMENDMENT AND REPLY
UNDER 37 C.F.R. §1.111

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Washington, D.C. 20231

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Sir:

In response to the Office Action mailed February 20, 2002, please amend the above-captioned application as follows.

In the Specification:

On page 2, delete the last paragraph starting from line 24 and replace it with the following in accordance with 37 CFR §1.121:

These and other objects of the present invention can be achieved via a method for obtaining DNA from fish spermatogonium that comprises:

- A1
- i) disrupting a fish spermatogonium to produce a milky-white colloid containing DNA;
 - ii) treating the milky-white colloid with alkaline solution of pH 8 to pH 12 which contains more than 1 M of salts, such as a monovalent salt, to separate DNA from nucleosome; and